

What I claim as my invention is:

1 1. A method of correcting loss and dispersion distortions in cable measurements,
2 comprising the steps of:

3 (a) measuring said cable in a frequency domain to obtain a reflected response of
4 a transmitted signal;

5 (b) collecting a series of fractional sinusoid components of said reflected response
6 from predetermined points along said cable to provide a superposed function;

7 (c) dividing said superposed function by a sent signal function to provide a
8 normalized function; and

9 (d) extracting from said normalized function said fractional sinusoid components
10 by calculating a real value at each of said predetermined points thereby removing
11 attenuation distortion and dispersion distortion.

1 2. A method of correcting loss and dispersion distortions in cable measurements
2 in accordance with claim 1, further comprising the step of displaying a plot of said
3 extracted fractional sinusoid components.

1 3. A method of correcting loss and dispersion distortions in cable measurements
2 in accordance with claim 1 wherein said predetermined points along said cable are
3 determined in accordance with the period of a maximum probing frequency.